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Branch : CSE – A

Sem : 7

Subject : Cyber Security

Lab – 4.2

Aim : Install and Config OpenVAS on Kali Linux.

Input :

sudo apt install gvm

Output :

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(root@kali)~# sudo apt install gvm
The following packages were automatically installed and are no longer required:
  gkdeb-capplet libgeos3.12.1t64 libgnomekbd0 libndctl6 libraw1e0 libroc0.3 libu2f-udev libxklavier16 openjdk-21-jre-headless python3-mistune0 python3-pytzdata samba-dsdb-modules
  libdaxctl1 libgnomekbd-common libx10.7 libpnm1 libre2-10 libsvtavcodec1d1 libx265-199 openjdk-21-jre python3-diskcache python3-pendulum samba-ad-provision
Use 'sudo apt autoremove' to remove them.

Installing:
  gvm

Installing dependencies:
  greenbone-security-assistant gsad gvm-tools libmicrohttpd12t64

Summary:
  Upgrading: 0, Installing: 5, Removing: 0, Not Upgrading: 1
  Download size: 5155 kB
  Space needed: 20.9 MB / 3562 MB available

Continue? [Y/n] Y
Get:1 http://kali.download/kali kali-rolling/non-free amd64 greenbone-security-assistant all 22.9.1-1 [4712 kB]
Get:2 http://kali.download/kali kali-rolling/main amd64 libmicrohttpd12t64 amd64 1.0.1-1 [153 kB]
Get:3 http://kali.download/kali kali-rolling/main amd64 gsad amd64 22.9.1-2 [130 kB]
Get:4 http://kali.download/kali kali-rolling/main amd64 gvm all 23.11.2 [11.8 kB]
Get:5 http://kali.download/kali kali-rolling/main amd64 gvm-tools all 24.3.0-1 [148 kB]
Fetched 5155 kB in 13s (399 kB/s)
Selecting previously unselected package greenbone-security-assistant.
  
```

Input :

sudo gvm-setup

Output :

```

(root@kali)~# sudo gvm-setup

[>] Starting PostgreSQL service
[>] Creating GVM's certificate files
[>] Creating PostgreSQL database
[*] Creating database user
[*] Creating database
[*] Creating permissions
CREATE ROLE
[*] Applying permissions
GRANT ROLE
[*] Creating extension uuid-oss
CREATE EXTENSION
[*] Creating extension pgcrypto
CREATE EXTENSION
[*] Creating extension pg-gvm
CREATE EXTENSION
[>] Migrating database
[>] Checking for GVM admin user
[*] Creating user admin for gvm
[*] Please note the generated admin password
[*] User created with password '8ae2d7d7-8093-4929-a242-1e7e65950212'.
[*] Configure Feed Import Owner
[*] Define Feed Import Owner
[*] Update GVM feeds

Running as root. Switching to user 'gvm' and group 'gvm'.
Trying to acquire lock on /var/lib/openvas/feed-update.lock
Acquired lock on /var/lib/openvas/feed-update.lock
  
```

Input :

```
sudo gvm-check-setup
```

Output :

```
(root@kali) ~]#
└─$ sudo gvm-check-setup
gvm-check-setup 23.11.0
Test completeness and readiness of GVM-23.11.0
Step 1: Checking OpenVAS (Scanner)...
OK: OpenVAS Scanner is present in version 23.4.1.
OK: Notus Scanner is present in version 22.6.3.
OK: Server CA Certificate is present as /var/lib/gvm/CA/servercert.pem.
Checking permissions of /var/lib/openvas/gnupg/*
OK: _gvm owns all files in /var/lib/openvas/gnupg
OK: redis-server is present.
OK: scanner (db.address setting) is configured properly using the redis-server socket: /var/run/redis-openvas/redis-server.sock
OK: the mqtt_server_uri is defined in /etc/openvas/openvas.conf
OK: _gvm owns all files in /var/lib/openvas/plugins
OK: NVT collection in /var/lib/openvas/plugins contains 91874 NVTs.
OK: The notus directory /var/lib/notus/products contains 465 NVTs.
Checking that the obsolete redis database has been removed
Could not connect to Redis at /var/run/redis-openvas/redis-server.sock: No such file or directory
OK: No old Redis DB
Starting ospd-openvas service
Waiting for ospd-openvas service
OK: ospd-openvas service is active.
OK: ospd-OpenVAS is present in version 22.7.1.
Step 2: Checking GVM Manager ...
OK: GVM Manager (gvm) is present in version 23.6.2.
Step 3: Checking Certificates ...
OK: GVM client certificate is valid and present as /var/lib/gvm/CA/clientcert.pem.
OK: Your GVM certificate infrastructure passed validation.
Step 4: Checking data ...
OK: SCAP data found in /var/lib/gvm/scap-data.
OK: CERT data found in /var/lib/gvm/cert-data.
Step 5: Checking PostgreSQL DB and user ...
OK: PostgreSQL version and default port are OK.
gvm | _gvm | UTF8 | libc | en_IN | en_IN |
16436|pg-gvm|10|2200|f|22.6|
OK: At least one user exists.
Step 6: Checking Greenbone Security Assistant (GSA) ...
OK: Greenbone Security Assistant is present in version 22.9.1-git.
Step 7: Checking if GVM services are up and running ...
Starting gvm service
Waiting for gvm service
OK: gvm service is active.
Starting gsa service
Waiting for gsa service
OK: gsa service is active.
Step 8: Checking few other requirements...
OK: nmap is present.
OK: ssh-keygen found, LSC credential generation for GNU/Linux targets is likely to work.
OK: nsis found, LSC credential package generation for Microsoft Windows targets is likely to work.
OK: xsltproc found.
WARNING: Your password policy is empty.
SUGGEST: Edit the /etc/gvm/pwpolicy.conf file to set a password policy.
Step 9: Checking greenbone-security-assistant...
OK: greenbone-security-assistant is installed
It seems like your GVM-23.11.0 installation is OK.
```